Application No. 09/996,951

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## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings. of claims in the application:

## Listing of Claims:

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0. W to Entr 9-4-03 12 13

21. (currently amended) A method of achieving a resonant frequency of acoustic resonators comprising:

fabricating a plurality of said acoustic resonators on a basis of forming each said acoustic resonator to include an electrode-piezoelectric stack in which layer dimensions are selected to achieve an intended operational resonant frequency, said intended operational resonant frequency being a target final operational resonant frequency, each said electrode-piezoelectric stack having conductive electrode layers;

determining whether said acoustic resonators have current resonant frequencies that are within an acceptable margin of error of said intended operational resonant frequency; and

for occasions in which said current resonant frequencies are outside of said acceptable margin of error, exposing said acoustic resonators to a controlled gaseous environment in which at least one said electrode layer is oxidized, including intentionally regulating said controlled gaseous environment on a basis of providing each said acoustic resonator with a final operational resonant frequency that is within said margin of error of said intended operational resonant frequency;

wherein said exposing includes regulating said temperature and oxygen content to provide a downward adjustment of said resonant frequencies in a controlled manner, said exposing further including controlling flow rates of gases, including oxygen.

- 1 22. (currently amended) The method of claim 21 wherein said exposing
- includes controlling said temperature and controlling said oxygen content 2
- within said controlled gaseous environment based on establishing said final
- operational resonant frequencies within said margin of error of said intended 4
- operational resonant frequency.

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- 1 23-25. (canceled)
- 1 26. (previously presented) The method of claim 21 wherein said exposing
- 2 occurs at a temperature not exceeding 215°C.
- 27. (new) A method of achieving a resonant frequency of acoustic
  resonators comprising:

gabricating a plurality of said acoustic resonators on a basis of

4 forming each said acoustic resonator to include an electrode-piezoelectric

5 stack in which layer dimensions are selected to achieve an intended

6 operational resonant frequency, said intended operational resonant

frequency being a target final operational resonant frequency, each said

8 electrode-piezoelectric stack having conductive electrode layers;

determining whether said acoustic resonators have current resonant frequencies that are within an acceptable margin of error of said intended operational resonant frequency; and

for occasions in which said current resonant frequencies are outside of said acceptable margin of error, exposing said acoustic resonators to a controlled gaseous environment in which at least one said electrode layer is oxidized, including intentionally regulating said controlled gaseous environment on a basis of providing each said acoustic resonator with a final operational resonant frequency that is within said margin of error of said intended operational resonant frequency;

wherein said exposing includes regulating said temperature and oxygen content to provide a downward adjustment of said resonant frequencies in a controlled manner, said exposing further including controlling flow rates of gases, including oxygen, said exposing occurring in a Rapid Thermal Annealer (RTA).

- 1 28. (new) The method of claim 27 wherein said exposing includes controlling
- 2 sald temperature and controlling said oxygen content within said controlled
- 3 gaseous environment based on establishing said final operational resonant
- 4 frequencies within said margin of error of said intended operational resonant
- 5 frequency.